the basis of the measured humidity content of the material web, in particular by zone-wise regulatable dryers, humidifiers, and/or within the press section (20) with at least one steam blowing box.

25. (Amended) Method in accordance with claim 1,
characterised in that
the longitudinal moisture profile of the material web is regulated on the basis of the measured humidity content of the material web, in particular by regulating the heating curve of the dryer section and/or by regulating the individual dryer groups, dryers and/or humidifiers.

26. (Amended) Method in accordance with claim 1,
characterised in that
the course of drying of the material web is regulated on the basis of the measured moisture content of the material web, in particular by regulating the heating curve of the dryer section and/or regulating the individual dryer groups, dryers and/or humidifiers.

30. (Amended) Measurement system in accordance with claim 28,
characterised in that
the measurement device is movable, in particular approximately perpendicular to the process direction (P) for the measurement of profiles of the respective parameter.

REMARKS

Entry of the foregoing replacement sheets and amendment to the claims upon which the International Preliminary Examination Report is based is respectfully requested.

Should there be any questions, the Examiner is invited to contact the undersigned at the

P21469.A01

below listed number.

Respectfully submitted,
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APPENDIX

Marked-Up Copies of the Amended Claims:

3. (Amended) Method in accordance with claim 1 [or claim 2],

characterised in that

the process data detection takes place in the region of part sections (14) in which machine settings can be changed, in particular by control and/or regulation of machine components.

4. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

process data concerning a plurality of different measured parameters are detected, preferably at least substantially simultaneously.

6. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

one measurement parameter relates to a characteristic paper parameter, in particular the moisture, the temperature, the thickness or the weight per unit area of a paper web.

7. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

one measurement parameter relates to a characteristic value of a dryer section (10), in particular to a surface characteristic, preferably the surface temperature of a dryer cylinder or of a roll.

8. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

one measurement parameter relates to a characteristic value of a steam system and/or condensate system of a dryer section (10).

9. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

one measurement parameter relates to a characteristic value of a screen, in particular its temperature, moisture content or permeability.

10. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

one measurement parameter relates to a characteristic value of air, in particular its temperature or moisture content, or of an airflow, in particular its direction or speed in the region of the machine section.

11. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are detected at least substantially uninterruptedly.

12. (Amended) Method in accordance with [at least one of the claims 1 to 10] claim 1, characterised in that

the process data are detected at preferably regular time intervals.

13. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are supplied to an evaluation unit (16) which is formed for the monitoring and/or influencing of the manufacturing process through, in particular, continuous control or regulation of machine components in dependence on the process

data.

14. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that,

machine components are controlled and/or regulated independently of one another on the basis of the process data.

15. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are detected and evaluated for the carrying out of changes between different types of process, in particular of changes of type in paper making machines.

16. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are used for the localisation of disturbances, in particular of faulty machine components.

17. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are used in a model describing the manufacturing process, preferably at least with respect to the machine section.

18. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are transmitted to a location spatially separated from the machine, in particular by using the Internet.

19. (Amended) Method in accordance with [at least one of the preceding claims] claim 1,

characterised in that

the process data are detected and/or evaluated at a location spatially separated from the machine.

20. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are detected in a reflection measurement method.

21. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the process data are detected in a reflection measurement method.

22. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the longitudinal profile and/or the course of drying of the material web is preferably continuously checked and/or regulated, in particular by regulating the heating curve of the dryer section and/or regulation of the individual dryer groups, dryers or humidifiers.

23. (Amended) Method in accordance with [at least one of the preceding claims] claim 1,, characterised in that

the process data are detected in the dryer section (10) at at least two measurement zones (12) in the process direction (P) after the last press.

24. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the transverse moisture profile of the material web is regulated preferably section-wise on the basis of the measured humidity content of the material web, in particular by zone-wise

regulatable dryers, humidifiers, and/or within the press section (20) with at least one steam blowing box.

25 (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the longitudinal moisture profile of the material web is regulated on the basis of the measured humidity content of the material web, in particular by regulating the heating curve of the dryer section and/or by regulating the individual dryer groups, dryers and/or humidifiers.

26. (Amended) Method in accordance with [at least one of the preceding claims] claim 1, characterised in that

the course of drying of the material web is regulated on the basis of the measured moisture content of the material web, in particular by regulating the heating curve of the dryer section and/or regulating the individual dryer groups, dryers and/or humidifiers.

30. (Amended) Measurement system in accordance with claim 28 [or 29], characterised in that

the measurement device is movable, in particular approximately perpendicular to the process direction (P) for the measurement of profiles of the respective parameter.